

10/799,516
Amdt. dated Dec. 1, 2005
Reply to Office action of Sep. 8, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-20 (Canceled)

21. (Currently amended) A rough distribution device comprising:
- a plurality of flow-redirecting vanes;
 - an upper plate having at least one fluid inlet orifice;
 - an upstream mixing chamber disposed upstream of the upper plate and configured to provide the fluid in one direction to the fluid inlet orifice;
 - a lower plate coupled to the upper plate, wherein the upper and lower plates are disposed in relation to the vanes such that a fluid flows outwardly through a space between the plates and discharging through a fluid outlet orifice defined by the plates and the vanes and changes direction at least two times; and
 - a distribution tray, disposed below the lower plate in a position to receive at least part of the fluid.
22. (Previously presented) The distribution device of claim 21 wherein the flow-redirecting vanes are chevron-type vanes.
23. (Previously presented) The distribution device of claim 21 wherein the distribution tray is a perforated plate.
24. (Previously presented) The distribution device of claim 21 wherein the distribution tray is a bubble cap tray.
25. (Previously presented) The distribution device of claim 21 wherein the distribution tray is a riser tray.